



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number 10/531,805

Filing Date April 7, 2006

First Named Inventor Frank Michaels

Art Unit 1644

Examiner Name Unassigned

Sheet 1 of 2

Attorney Docket Number 59046.000039

**U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 6,355,248	03-12-2002	Michaels, et al.	

**FOREIGN PATENT DOCUMENTS**

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code Number-Kind Code (if known)					YES	NO
	2.	EP	1 149 586 A1	10-31-2001	lian, et al.		<input type="checkbox"/>	<input type="checkbox"/>
	3.	EP	1 136 077 A1	09-26-2001	Aguilar, et al.		<input type="checkbox"/>	<input type="checkbox"/>

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
	4.	Safadi, et al., "Oral Immune-Regulation towards Hepatitis B Virus Proteins a New Mode of Treatment for Chronic HBV Infection: Results of a Phase I Clinical Trial", Hepatology, Vol. 32, No. 4, Part 2, page 379A, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	5.	Safadi, et al., "Treatment of Chronic Hepatitis B Virus Infection via Oral Immune Regulation toward Hepatitis B Virus Proteins", American Journal of Gastroenterology, Vol. 98, No. 11, pages 2505-2515, November 2003.	<input type="checkbox"/>	<input type="checkbox"/>
	6.	Gotsman, et al., "Induction of Oral Tolerance towards Hepatitis B Envelope Antigens in a Murine Model", Vol. 48, No. 1, pages 17-26, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	7.	Shouval et al., "Improved Immunogenicity in Mice of a Mammalian Cell-derived Recombinant Hepatitis B Vaccine Containing Pre-S1 and Pre-S2 antigens as compared with conventional yeast-derived Vaccines", Vaccine, Vol. 12, No. 15, pages 1453-1459, November 1994.	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		<b>Filing Date</b>	<b>April 7, 2006</b>
		<b>First Named Inventor</b>	<b>Frank Michaels</b>
		<b>Art Unit</b>	<b>1644</b>
		<b>Examiner Name</b>	<b>Unassigned</b>
<b>Sheet</b>	<b>2 of 2</b>	<b>Attorney Docket Number</b>	<b>59046.000039</b>

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			YES	NO
	8.	Childers et al., "Mucosal and Systemic Responses to an Oral Liposome-Streptococcus Mutans Carbohydrate Vaccine in Humans", Regional Immunology, Vol. 3, No. 6, pages 289-296, 1990.	<input type="checkbox"/>	<input type="checkbox"/>
	9.	Van der Lubben et al., "Chitosan for Mucosal Vaccination", Advanced Drug Delivery Reviews, Vol. 52, No. 2, pages 139-144, 2001.	<input type="checkbox"/>	<input type="checkbox"/>
	10.	"Oral Viral Proteins" B Informed; The Newsletter of the Hepatitis B Foundation, No. 29, pages 4-5, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	11.	Mcsorley et al., "Vaccination by inducing oral Tolerance?", Immunology Today 1999 United Kingdom, vol. 20, No. 12, pages 555-560, 1999.	<input type="checkbox"/>	<input type="checkbox"/>
	12.	Weiner, "Oral Tolerance: Immune Mechanisms and Treatment of Autoimmune Diseases", Immunology Today, vol. 19, No. 7, pages 335-343, July 1997.	<input type="checkbox"/>	<input type="checkbox"/>
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